

DISCOVER-AQ

HSRL Data Summary

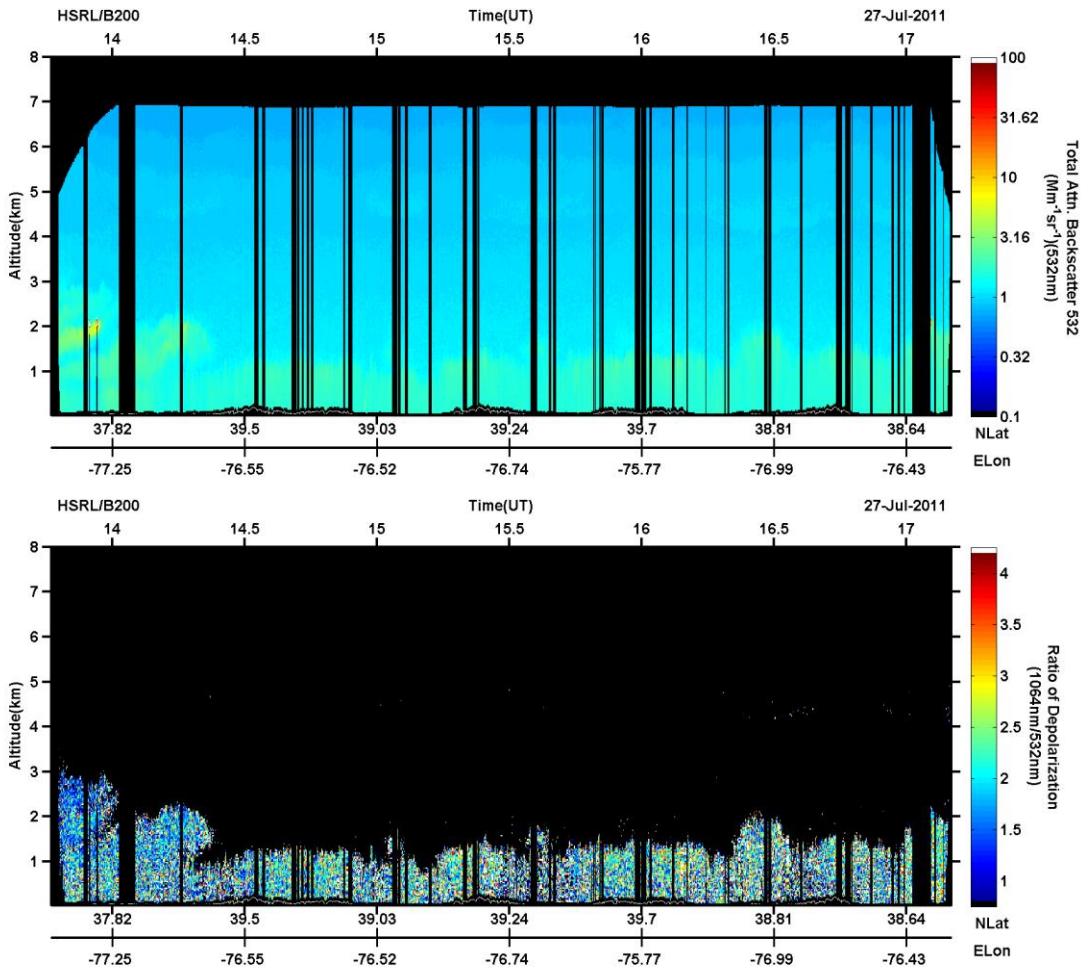
FLIGHT: Morning science flight (1 of 2)

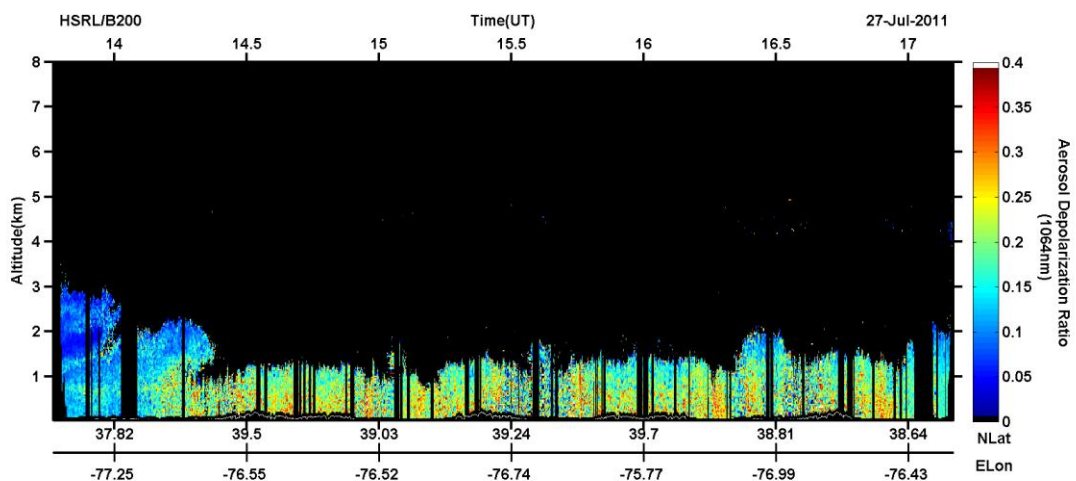
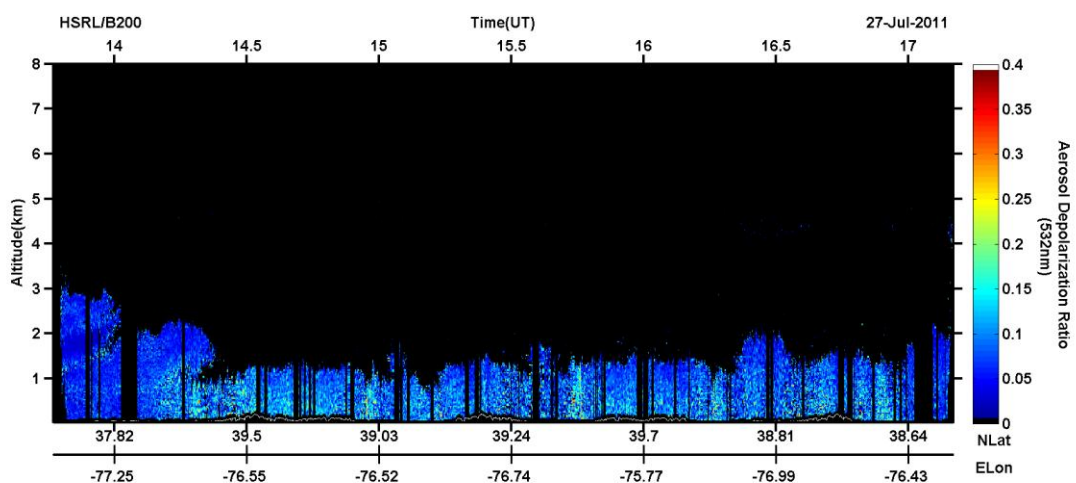
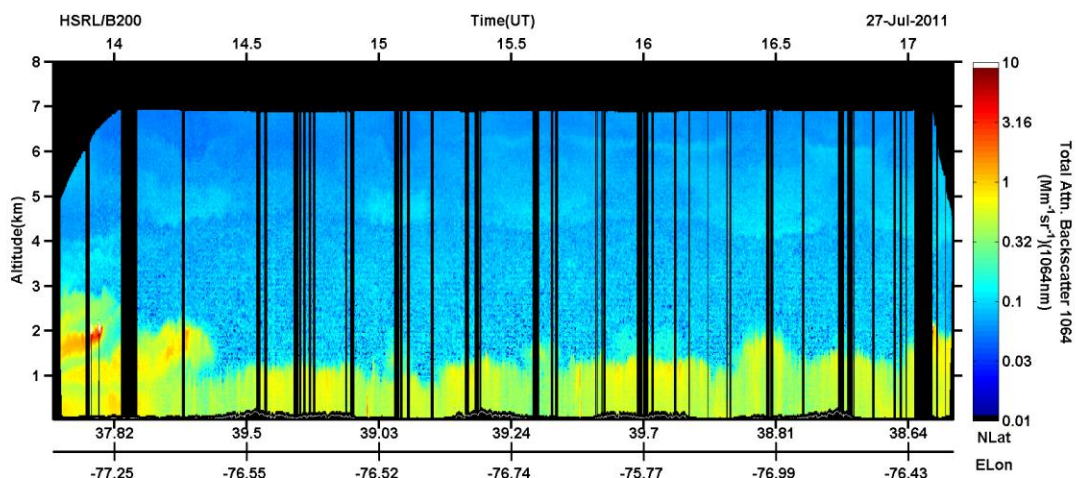
DATE: July 27, 2011

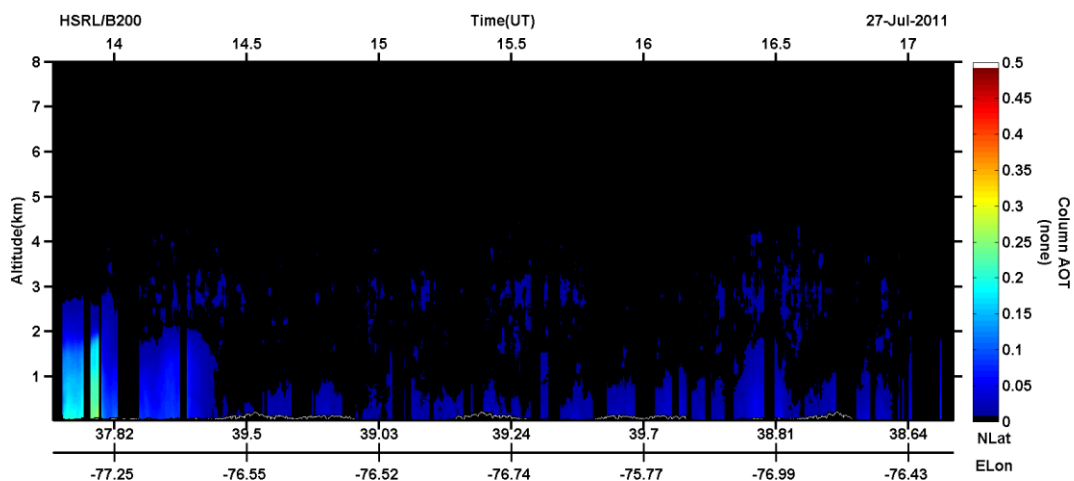
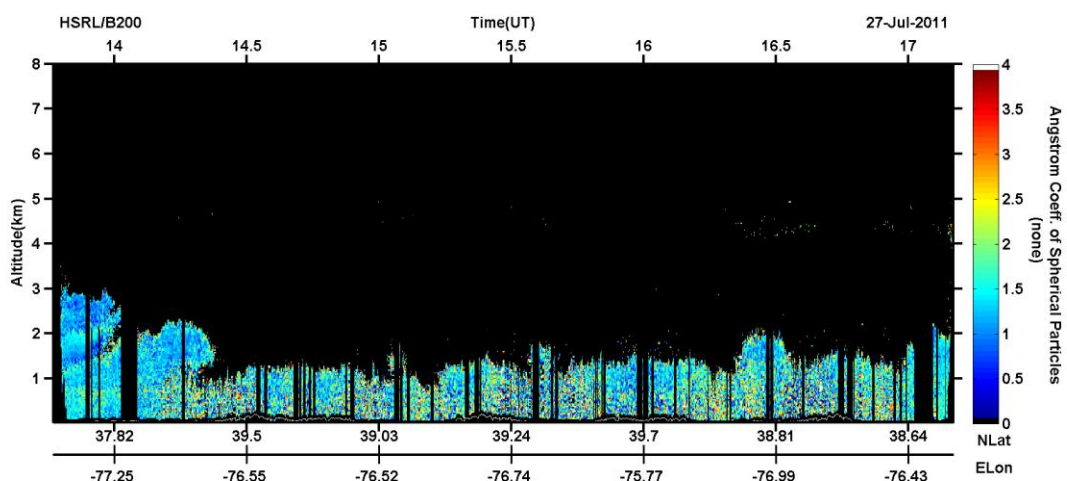
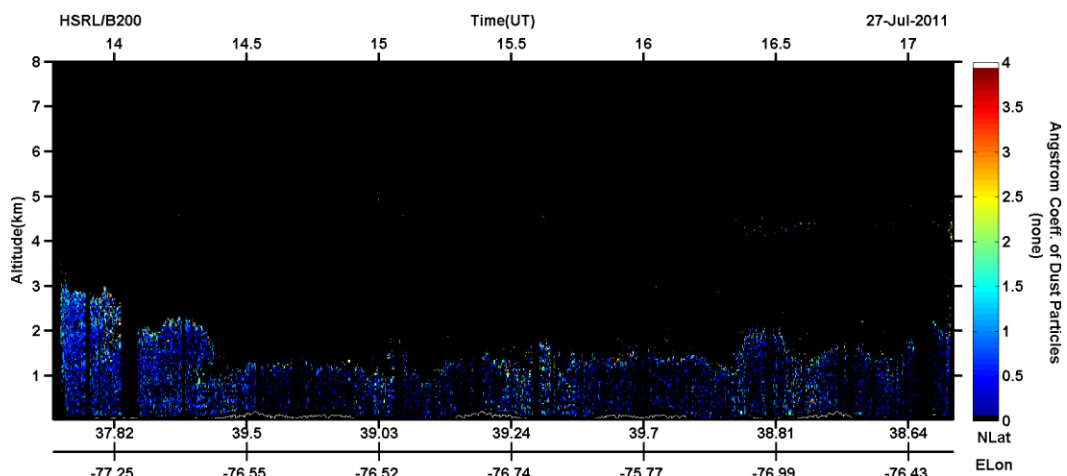
DURATION: 3.9 hours

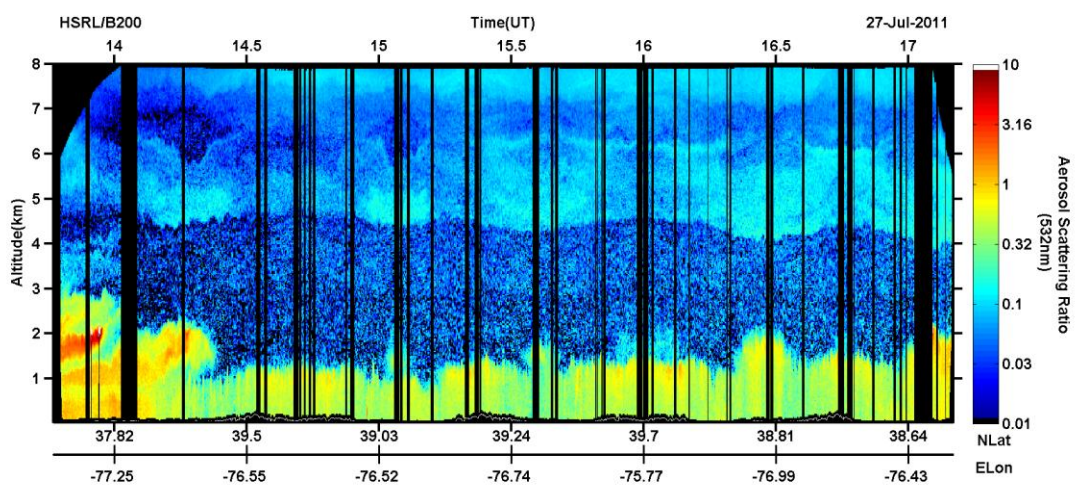
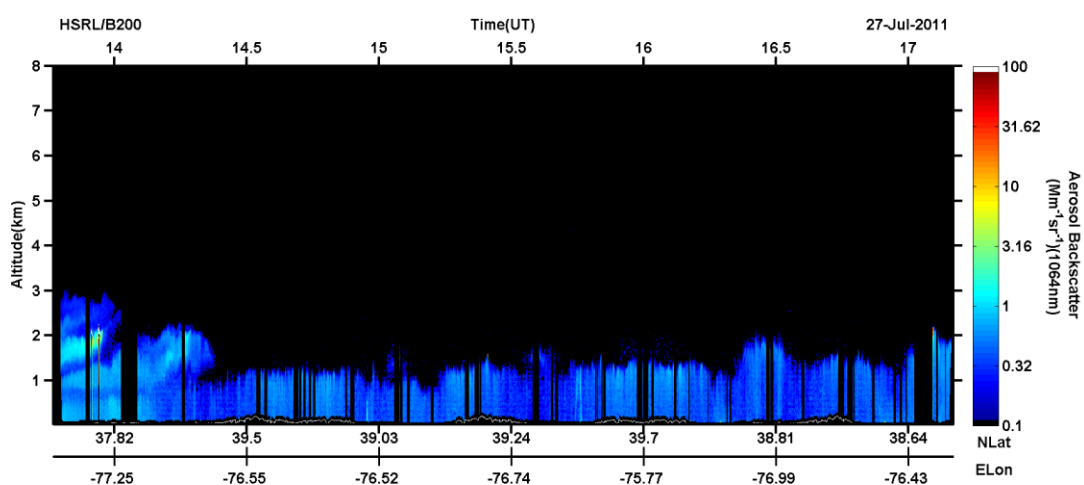
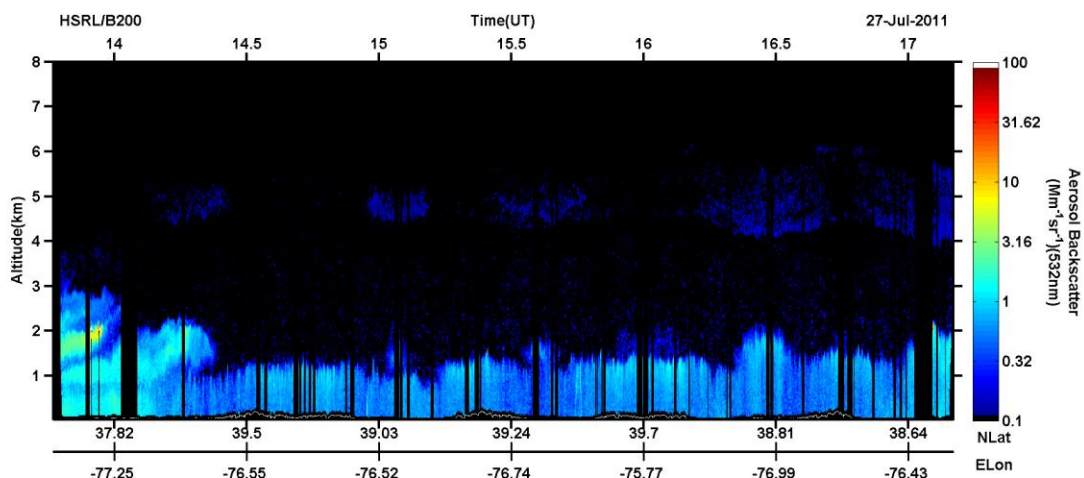
SUMMARY: Takeoff was at 9:29 AM local time from Newport News, VA. Aerosol levels were quite low compared to other flights. Boundary layer heights were generally between 1.5 and 2 km altitude. Few clouds were present in the region. The standard flight plan was flown. HSRL operation was nominal.

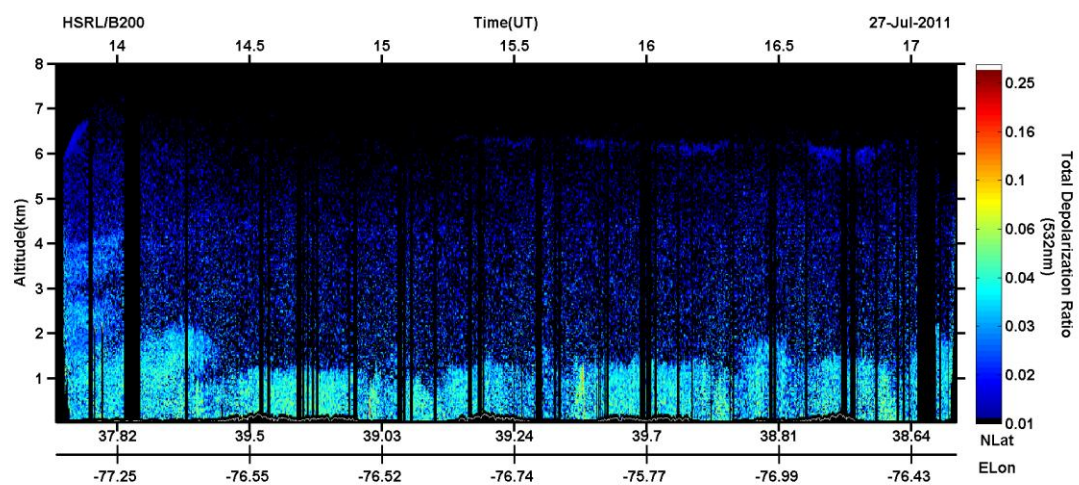
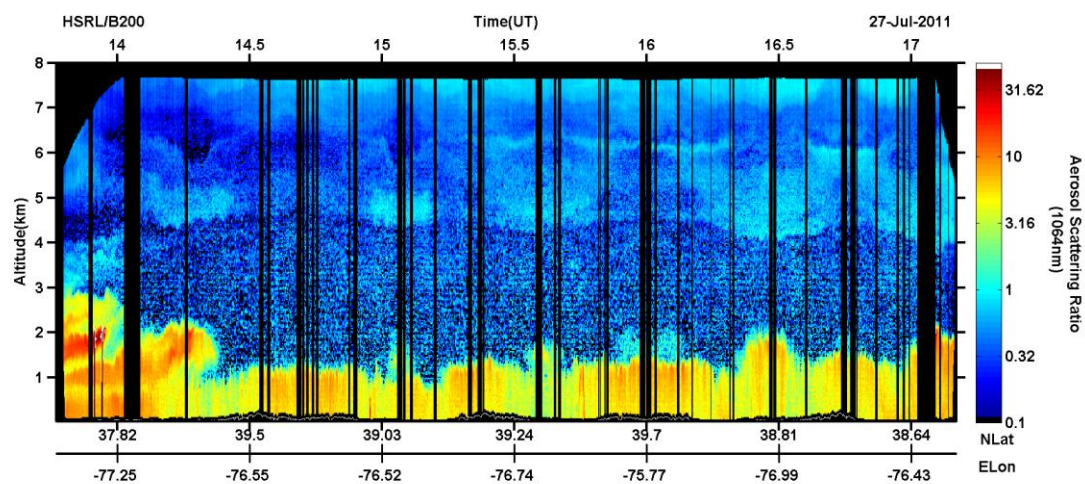
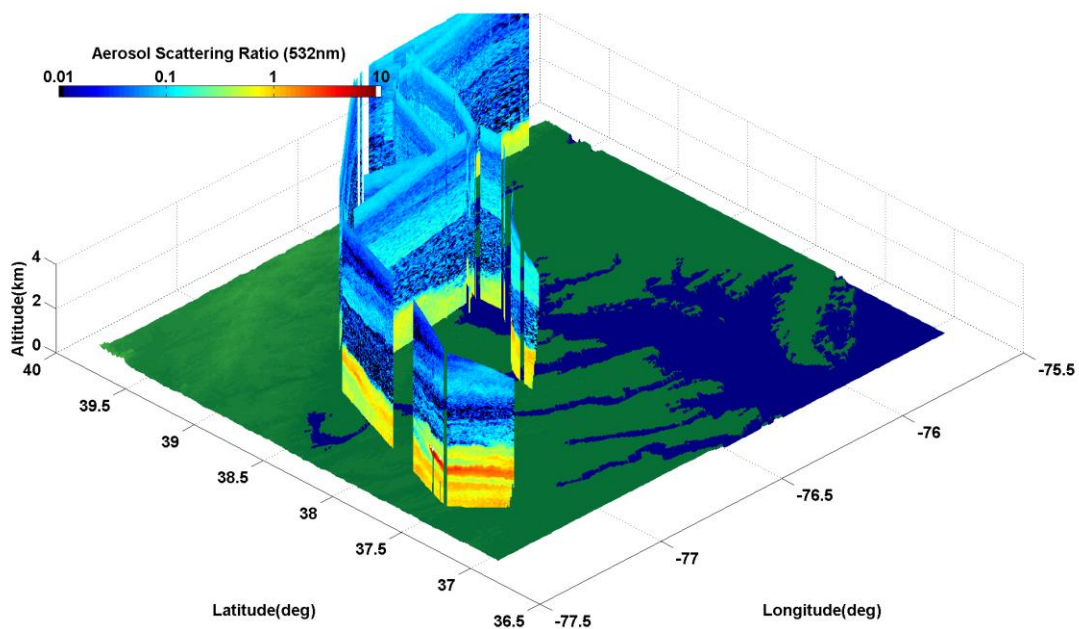
SUMMARY PLOTS:

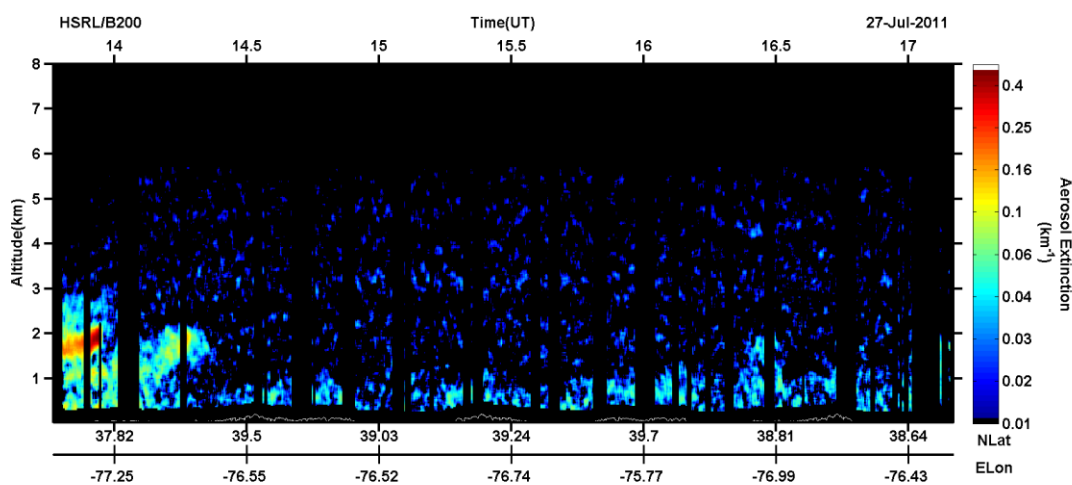
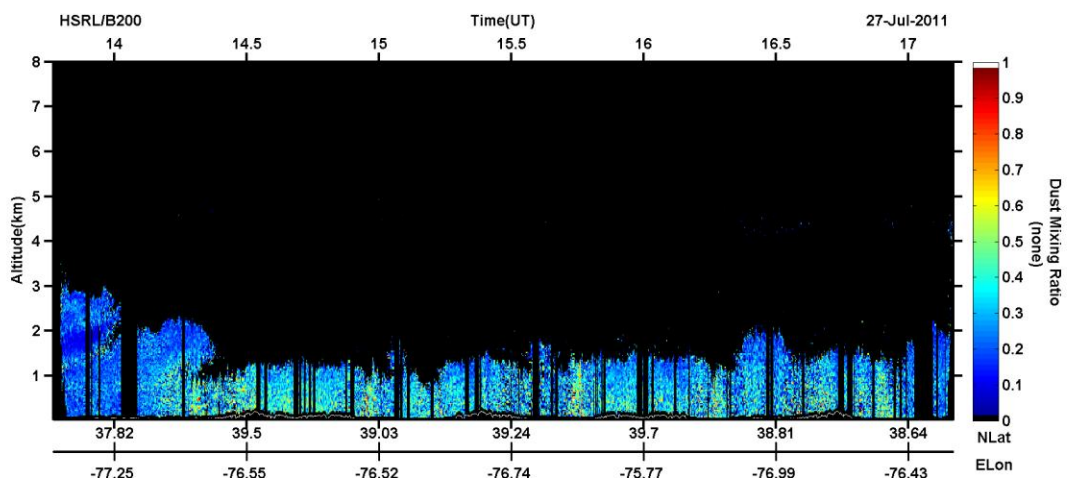




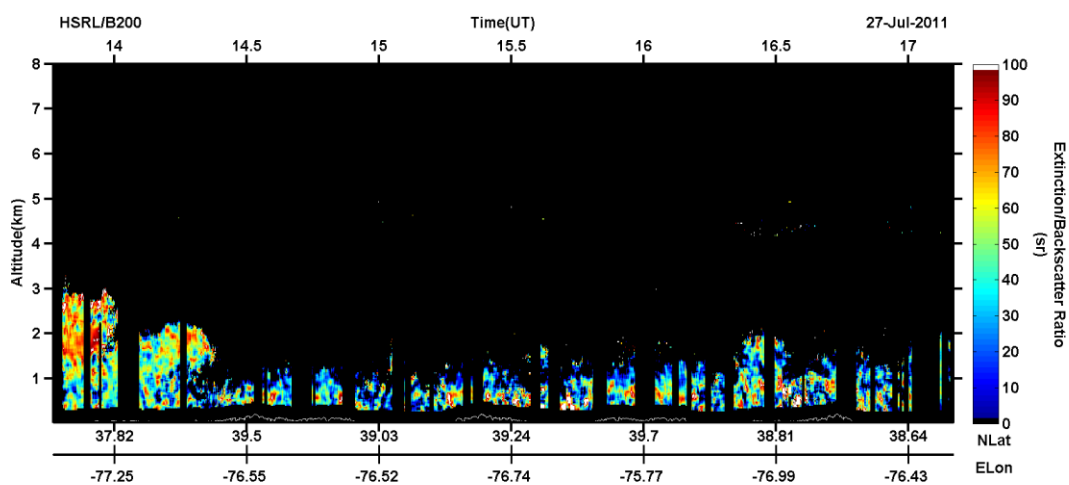
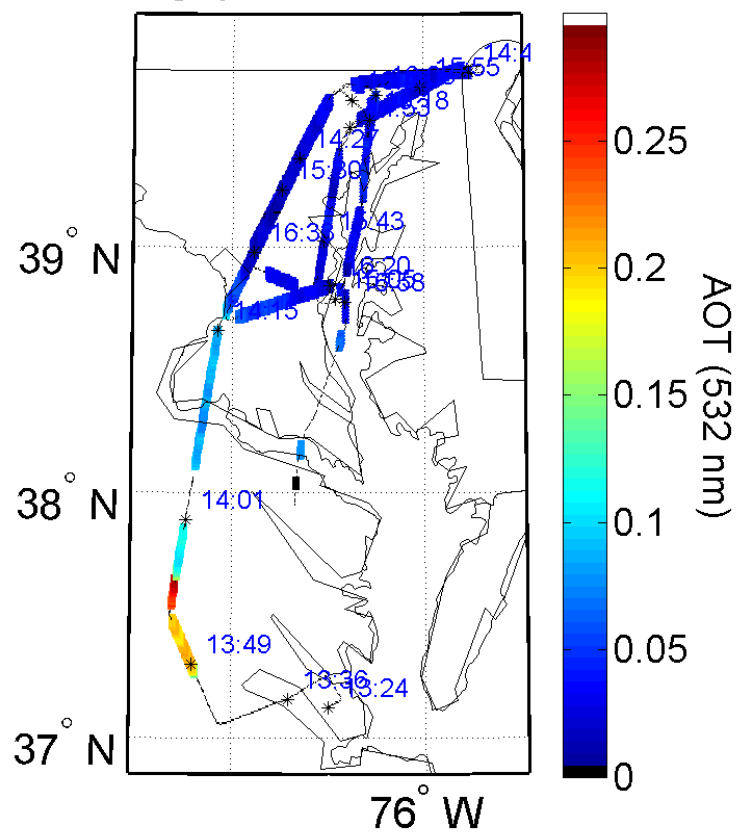


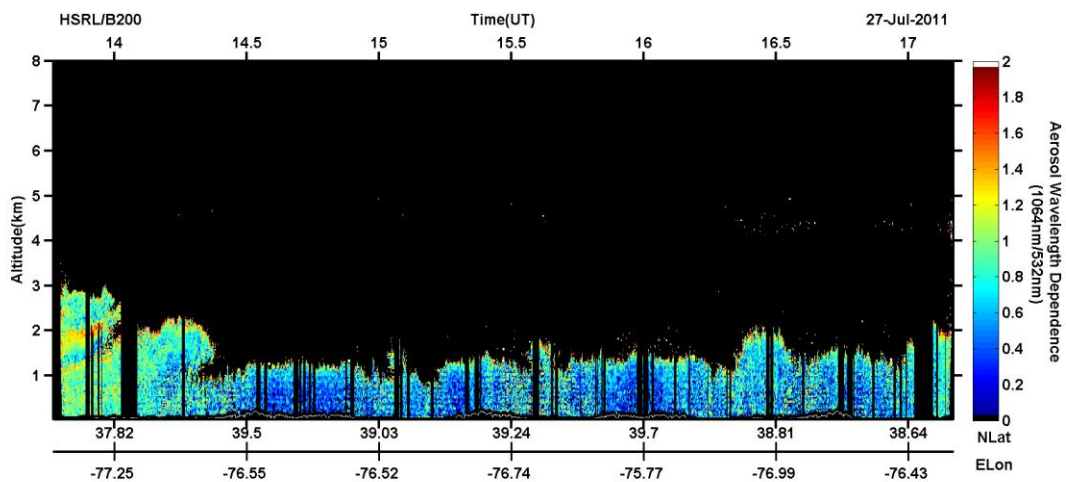






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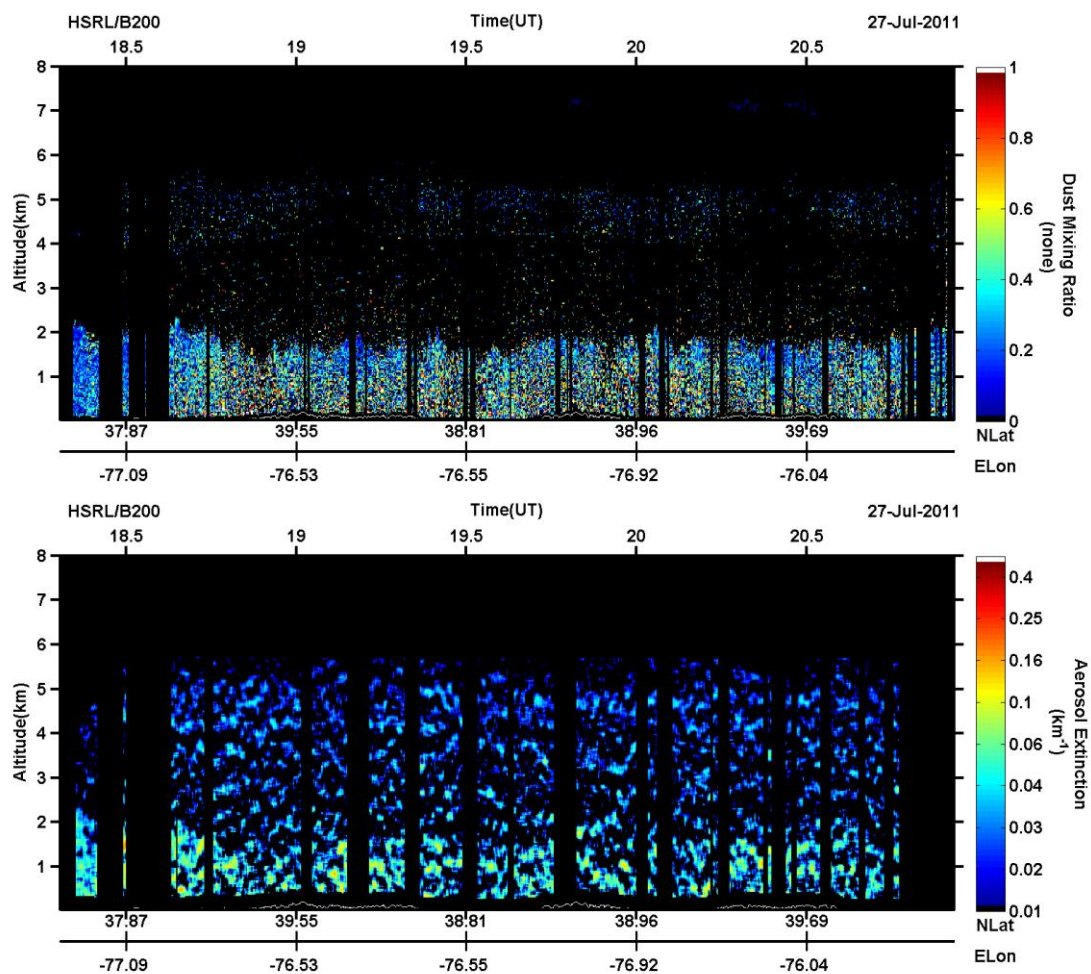
FLIGHT: Afternoon science flight (2 of 2)

DATE: July 27, 2011

DURATION: 3.2 hours

SUMMARY: Afternoon takeoff was at 2:00 PM local time from Newport News, VA. The conditions were very similar to the morning flight with mostly clear aerosol conditions. Boundary layer heights were generally about 2 km. Only two loops around the standard pattern were performed due to the clear conditions.

SUMMARY PLOTS:



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